

# NiceProt View of Swiss-Prot: Q14956

## Entry information

Entry name	<b>NMB_HUMAN</b>
Primary accession number	<b>Q14956</b>
Secondary accession numbers	None
Entered in Swiss-Prot in	Release 35, November 1997
Sequence was last modified in	Release 35, November 1997
Annotations were last modified in	Release 44, July 2004

## Name and origin of the protein

Protein name	<b>Putative transmembrane protein NMB [Precursor]</b>
Synonym	<b>Transmembrane glycoprotein HGFIN</b>
Gene name	<b>Name: GPNMB</b> Synonyms: NMB, HGFIN
From	Homo sapiens (Human) [TaxID: 9606]
Taxonomy	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

## References

### [1] SEQUENCE FROM NUCLEIC ACID.

**TISSUE**=Melanoma;

MEDLINE=95113576;PubMed=7814155

Weterman M.A.J., Ajubi N., van Dinter I.M.R., Degen W.G.J., van Muijen G.N.P., Ruiter D.J., Bloemers H.P.J.;

"NMB, a novel gene, is expressed in low-metastatic human melanoma cell lines and xenografts."; Int. J. Cancer 60:73-81(1995).

### [2] SEQUENCE FROM NUCLEIC ACID.

**TISSUE**=Peripheral blood;

MEDLINE=22498106;PubMed=12609765

Bandari P.S., Qian J., Yehia G., Joshi D.D., Maloof P.B., Potian J., Oh H.S., Gascon P., Harrison J.S., Rameshwar P.;

"Hematopoietic growth factor inducible neurokinin-1 type: a transmembrane protein that is similar to neurokinin 1 interacts with substance P."; Regul. Pept. 111:169-178(2003).

## Comments

- **FUNCTION:** Could be a melanogenic enzyme (*By similarity*).
- **SUBCELLULAR LOCATION:** Type I membrane protein (*Potential*).
- **TISSUE SPECIFICITY:** Not restricted to the melanocytic lineage.
- **DEVELOPMENTAL STAGE:** Expression in poorly metastatic melanoma cell lines; no expression in highly metastatic melanoma cell lines.
- **SIMILARITY:** Belongs to the Pmel-17/NMB family.
- **SIMILARITY:** Contains 1 PKD domain.

FILE 'CAPLUS' ENTERED AT 14:32:52 ON 10 SEP 2004

L1 367 S NMB  
L2 26414 S MELANOMA  
L3 9 S L1 AND L2  
L4 4 S L3 NOT PY>2000

FILE 'PCTFULL' ENTERED AT 14:35:05 ON 10 SEP 2004

L5 344 S NMB  
L6 15 S WETERMAN  
L7 4 S L6 AND L5  
L8 2 S L7 NOT PY>2000  
L9 2 S L8 AND MELANOMA  
L10 6 S RAMESHWAR/AU  
L11 1 S L10 AND HGFIN

FILE 'BIOSIS' ENTERED AT 14:39:18 ON 10 SEP 2004

L12 0 S WETERMAN/AU  
L13 456 S NMB  
L14 7 S L13 AND MELANOMA  
L15 5 S L14 NOT PY>2000